

## Head Interface Board for KM1024i Printheads

### GIS Inkjet Operating System

The HIB-KM-1024i from GIS is a Head Interface Board designed to provide direct communications between the Konica Minolta KM1024i series printheads, as well as the KM1024iSAE-C double-printhead module, and the GIS Print Manager Boards (PMB-C2/PMB-C8/PMB-C8-3).

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### Connectivity

The HIB-KM-1024i is a native component of the GIS Inkjet Operating System. It is designed to drive all of the KM1024i series printheads using a GIS Print Manager Board and GIS Software.

### Power Control

The HIB-KM-1024i uses a convenient single 24V power connector.

The HIB-KM-1024i is specifically designed with a small form factor for compact system architectures.

Each board can drive up to 2 x KM1024i single printheads or 1 x KM1024iSAE-C double-printhead module.

### Connectors

The HIB-KM-1024i requires three connectors to drive the printhead:

#### **Data Connector**

A standard RJ45 for connection to a GIS Print Manager Board using CAT 6a shielded cabling (up to 10m).

#### **Power Connector**

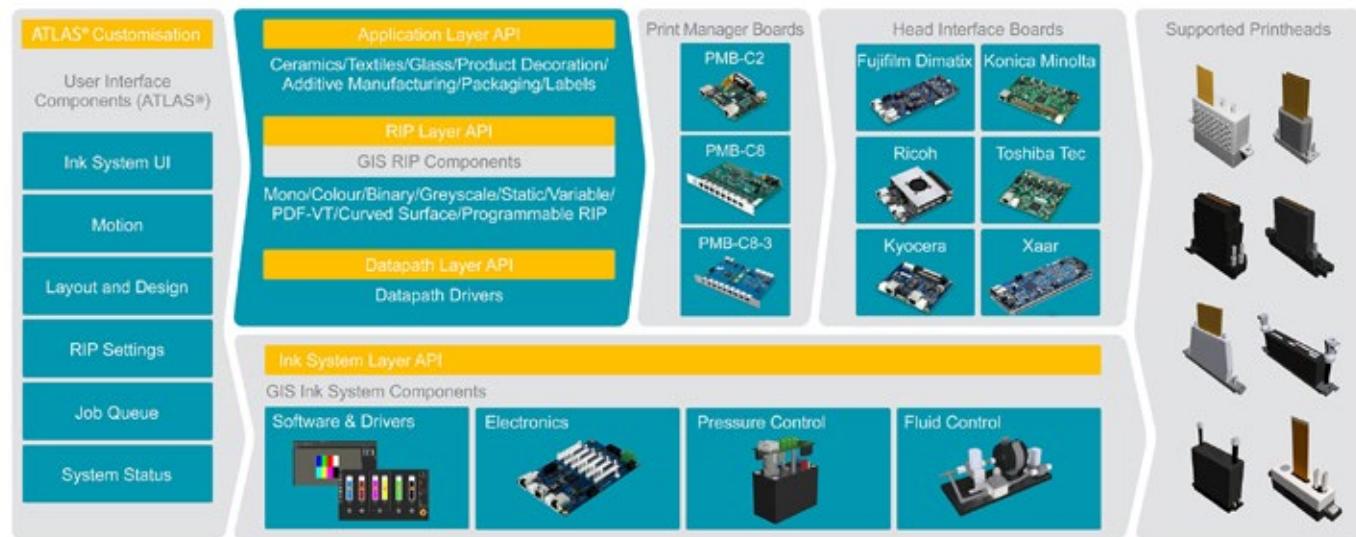
A standard 24V DC connector to supply the entire board set and printhead with power.

#### **Printhead Connector**

Cable supplied by GIS\*

*\*Additional cable required if using the KM1024iSAE-C print-head module*

# Software, Machine Control and Sub-systems for Industrial Inkjet



GIS provides a complementary suite of products that companies can easily customise and rebrand - accelerating technology design and cutting development time:

## Software Support

GIS offers a full range of software with its Atlas® platform to drive the HIB-KM-1024i.

The Atlas suite of products includes a flexible User Interface (UI) as well as a powerful server technology for managing the entire printing and sub-system process, Atlas Machine Control Services (MCS).

Built using Microsoft industry standard software and approaches, Atlas can be configured for different types of users and customised with different languages.

## Ink System Components

GIS also provides an extensive ink delivery system components range, comprising electronics, software and a portfolio of customisable header tanks and peripherals as well as all parts of the system that require significant development time.



## Specifications

### General

Supported printheads / modules : KM1024i, KM1024iSAE-C

Dimensions H 90mm W 137mm D 22mm Weight: 40g

Designed for use with GIS software

High speed (200 - 400MB/s) data channel

### Power Requirements

24V DC

### KM1024i Printhead Control

Printhead and heater voltage control

Left and right nozzle bank voltage trim (0.1V steps)

Grey level / Binary mode control

Grey level drop count control

Printhead waveform control

### Cable Length

From PMB: 10m

From HIB to head: 550mm